SYN3 Monoclonal Antibody

Catalog No	YP-mAb-06251
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	SYN3
Protein Name	Synapsin-3 (Synapsin III)
Immunogen	Synthesized peptide derived from part region of human protein. AA range 530-580
Specificity	SYN3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	63kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Peripheral membrane protein localized to the cytoplasmic surface of synaptic vesicles.
Tissue Specificity	Neuron specific. Detected predominantly in brain.
Function	function:May be involved in the regulation of neurotransmitter release and synaptogenesis.,miscellaneous:Regulated by calcium. Calcium inhibits ATP binding to the C-domain.,similarity:Belongs to the synapsin family.,subcellular location:Peripheral membrane protein localized to the cytoplasmic surface of synaptic vesicles.,subunit:Interacts with CAPON.,tissue specificity:Neuron specific. Detected predominantly in brain.,
Background	This gene is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Family members are characterized by common protein domains, and they are implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. The protein encoded by this gene shares the synapsin family domain model, with domains A, C, and E exhibiting the highest degree of conservation. The protein

	contains a unique domain J, located between domains C and E. Based on this gene's localization to 22q12.3, a possible schizophrenia susceptibility locus, and the established neurobiological roles of the synapsins, this family member may represent a candidate gene for schizophrenia. The TIMP3 gene is located within an intron of this gene and is transcribed in the opposite directi
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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